IUGS MEMBERSHIP

What does it mean?

Who are the members of IUGS? What do they do? And what should their role in the Union be? These questions are now being discussed by the IUGS Executive in a search for ways to strengthen the links between the Union and its members. This special feature, prepared by the *Episodes* staff, describes the various ways in which individual geoscientists, organizations and countries are linked to the International Union of Geological Sciences. A list of the 93 national adhering organizations is included.

Linkages through IUGS Family Organizations

There are various ways in which individual geoscientists may be linked with IUGS. They may be members of one of the Union's commissions, committees, working groups or advisory boards, participants in one of the programs co-sponsored by the Union, such as the International Geological Correlation Programme (IGCP) or the International Lithosphere Program (ILP), or they may belong to one of the 23 international and regional societies and associations affiliated to IUGS. These organizations are all listed on the last page of each issue of *Episodes*. To judge by the IUGS Directory, now being updated by the IUGS Secretariat in Norway, the officers of these groups number about 1500 in all, and the total membership in the affiliated associations appears to exceed 25,000.

National Adhering Organizations

The more formal linkage with IUGS is through its "adhering organizations," often referred to as national members. According to the Union's Constitution, "geological scientists of each country, or defined geographic areas in which the community of geological scientists is largely supported by internal sources, may adhere to the Union through an adhering organization designated by the appropriate authority to represent them...."

As the accompanying list shows, there is a wide variety of adhering organizations. Some may have been set up in the 1950s as a result of discussions at successive International Geological Congresses of the need to form an on-going international organization for geology. According to J.M.Harrison, the first President of IUGS, 51 national committees for geology were in existence by 1960 (see "The

Early Days of IUGS," *Episodes*, March 1986). They formed the core membership of the Union when it was inaugurated in 1961.

Among the national organizations that now adhere to IUGS are major national societies, such as the Asociacion Geologica Argentina, the Geological Society of China, and the Dansk Geologisk Forening. The link in Yugoslavia is through a Union of Geological Societies, and the Canadian Geoscience Council, an umbrella organization of twelve national societies, is the national member for Canada.

The connection with IUGS in some 17 countries is through national academies of science or science councils, and nine member countries list university geoscience departments as their contacts. However, the majority (more than 55) of adhering organizations are governmental agencies such as departments of mines and energy, geological surveys, and state mining companies. Only about one third of the member countries appear to have national committees (commissions, councils) of geology.

Each national adhering organization pays an annual membership or subscription fee determined according to one of eight "financial categories" selected by the organization in agreement with IUGS. The Council of the Union, its governing body, is made up of representatives of the adhering organizations, who are the only voting members, except on rare occasions where the President casts a deciding vote. Each paid-up member is entitled to one vote, except on matters relating to revision of membership fees, where the number of votes is equal to the category of membership.

Box 1

POSSIBLE FUNCTIONS OF NATIONAL COMMITTEES

- The National Committees should involve members representing the range and scope of geoscience activities and organizations in the country.
- Meetings should be held at least once each year to review and evaluate geoscience activity at the national level in order to
 - review and comment on the Executive Committee minutes,
 - suggest possible new initiatives to IUGS, and
 - prepare a brief annual report to IUGS.

The National Committee may also be helpful in promoting IUGS activities, IUGS visibility, and especially the dissemination of IUGS publications, including *Episodes*.

To encourage the efforts to strengthen National Committees, it may be useful to distribute additional free copies of the latest issue of *Episodes* on a one-time basis in those countries where such distribution is recommended by the Vice President.

TABLE 1

NAMES AND ADDRESSES OF IUGS VICE-PRESIDENTS

Dr. U. Cordani Instituto de Geociencias Universidade de Sao Paulo C.P. 20899, Sao Paulo SP Brazil	Dr. Zhang Bingxi Ministry of Geology & Mineral Resources Xishi Street Western City, Beijing People's Republic of China
Prof. C.A. Kogbe Rock View International 1-5 rue Gutenberg Paris 75015 France	Dr. M. Bensaid Directeur, Service de la Carte Géologique Direction des Mines et de la Géologie Rabat (Chellah) Morocco
Prof. Z. Kielan-Jaworowska Polska Akademia Nauk Zaklad Paleobiologii al. Zwirki i Wigury 93 Warszawa 02-089 Poland	Dr. G. Kautsky Geological Survey of Sweden Uppsala S 75128 Sweden
Dr. V.L. Barsukov Vernadsky Institute for Geochemistry Academy of Sciences Vorobyevsoye Chausse 47a Moscow B-334 U.S.S.R.	Prof. S.K. Mukerjee Director-General Geological Survey of India 27 Jawaharlal Nehru Road Calcutta, West Bengal 700 016 India

The IUGS Constitution and Bye-Laws carefully set out the powers and duties of Council, but they are silent on other functions of national adhering members. The Union's Executive Committee has been for some time considering ways to strengthen links with its adhering organizations and to draw on their resources and expertise. The goal would be to stimulate national geological activities and to increase the contribution of national groups to the Union's program. To further this process, the IUGS Executive Committee meeting in Washington, February 18-21, 1986, supported a series of recommendations drawn up by Vice President Umberto Cordani and others, and reproduced here in Box 1.

In addition to providing advice and assistance to the Union, its adhering organizations could take the initiative in proposing new activities or commenting on existing ones. The assistance of national adhering organizations in disseminating the Union's publications could be very helpful. A national committee might also wish to look carefully at the representation of its country on IUGS commissions, committees and programs in order to determine the best disciplinary and regional representation possible.

The IUGS Executive believes that national committees constitute an untapped source of ideas and assistance that the Union could draw upon. The President, Dr. W.W. Hutchison, welcomes suggestions and expressions of interest from adhering organizations and from individual geoscientists. The list below will guide those who wish to contact their local adhering organizations. Comments may also be forwarded to the Secretary-General or the Treasurer (addresses on inside front cover) or to the nearest IUGS Vice President (see Table 1).

Associated Members

A new kind of membership in the Union - that of Associated Member - was approved by the IUGS Council at its last assembly in Moscow in 1984. The various categories of associated membership approved earlier this year by the Executive Committee are reproduced in Box 2. The first organization to become an associated member is the King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia.

NATIONAL ADHERING ORGANIZATIONS

M. Le Directeur Centre de Recherches et d'application des Geosciences 2 rue Didouche Mourad Alger B.P. 1007 Alger-Gare ALGERIA	Petroleum Office Attn: Dr. R. Prasada Rao Ministry of Natural Resources Belmopan BELIZE, Central America
Direccao de Servicos de Geologia e Minas Caixa Postal 1260 Luanda ANGOLA	Servicio Geologico de Bolivia Ministerio de Minas y Petroleo Casilla de Correo 2729 La Paz BOLIVIA
Asociacion Geologica Argentina Maipu 645 Piso 1o Buenos Aires 1006 ARGENTINA	Dept. Nacional da Producao Mineral (DNPM) Sector de Autarquia Norte Attention: Director General Quadra 01, Bloco B Brasilia DF BRAZIL
National Committee for Geology Australian Academy of Science P.O. Box 783 Canberra ACT 2601 AUSTRALIA	Bulgarian Academy of Sciences 1, 7 November Street Sofia BULGARIA
Austrian National Committee for Geology Geologisches Bundesanstalt Rasumofskygasse 23, Box 154 Vienna A-1031 AUSTRIA	BUVOGMI Attn: Directeur General B.P. 601 Ouagadougou BURKINA FASO, West Africa
Geological Survey of Bangladesh Pioneer Road, Segun Bagicha Dacca 2 BANGLADESH	Département Géologie-Minéralogie Faculté des Sciences Université du Burundi B.P. 2948 Bujumbura BURUNDI, Central Africa
Comité National des Sciences Géologiques Académie Royale de Belgique Palais des Académies 1 rue Ducale Brussels B-1000 BELGIUM	Université de Yaounde Dépt. des Sciences de la Terre B.P. 812 Yaoundé CAMEROON, West Africa

Box 2

ASSOCIATED MEMBERSHIP CATEGORIES

Categories applicable to industrial companies and national and international bodies:

	Membership Fee
Category A	US \$5,000
Category B	US \$1,000

Categories applicable to individuals with IUGS-related interests:

Category C	US \$ 500
Category D	US \$ 100

Associated members in Category A will receive the minutes of IUGS Executive Committee meetings and will be invited to express their comments, which will be useful for the development of the IUGS policy and programs. Associated members in Category A will also receive free copies of all IUGS publications and EPISODES, as well as information reports from the IUGS Commissions and Committees that may be of interest to them.

Associated members in Category B will receive copies of all IUGS publications and EPISODES. Category C members will receive EPISODES and a 40% discount on IUGS publications. Category D members will receive EPISODES and a 20% discount on IUGS publications. Associated members in all Categories will be listed in EPISODES.

- Canadian National Committee for IUGS
Canadian Geoscience Council
Attention: T.E. Bolton
Geological Survey of Canada
601 Booth Street
Ottawa, Ontario, K1A 0E8
CANADA
- Comité Nacional de Ciencias Geológicas
Agustinas 785, 6° Piso
Casilla 10465
Santiago
CHILE
- Geological Society of China
Pai Wan Chung Fuchengmenwai
Beijing
CHINA
- Instituto Nacional de Investigaciones Geológico-Mineras
Carrera 30, No. 51-59
Bogota
COLOMBIA
- Academia de Ciencias de Cuba
Director, Instituto de Geología y Paleontología
Apartado 3607
La Habana 3
CUBA
- Geological Survey Department
Attn: Director
Ministry of Agriculture and Natural Resources
Nicosia
CYPRUS
- Czechoslovak National Geological Committee
Czechoslovak Academy of Sciences
c/o Prof. Ing. Otakar Kumpara
Vysoka skola banska
tr. Vitezneho
708 33 Ostrava
Poruba
CZECHOSLOVAKIA
- Dansk Geologisk Foreningen
Oster Voldgade 5-7
Kobenhavn K-1350
DENMARK
- Colegio de Geologos del Ecuador
Casilla 10974
Guayaquil
ECUADOR
- Direccion General de Geologia y Minas
Att: Ing. Com. César I. Vasquez E.
Director Financiero
Ministerio de Recursos Naturales y Energeticos
Quito
ECUADOR
- National Committee of Geological Science
Academy of Scientific Research & Technology
101 Kasr El Aini Street
Cairo
EGYPT
- Finnish National Committee for Geology
c/o Geological Survey of Finland
Espoo SF-02150
FINLAND
- Comité Nationale Français de Géologie
77, rue Claude Bernard
Paris F-75005
FRANCE
- Nationalkomitee für Geologische Wissenschaften der DDR
Akademie der Wissenschaften der DDR
Rudower Chaussee Nr. 5
Berlin 1199
GERMAN DEMOCRATIC REPUBLIC
- National Committee for IUGS
Bundesanstalt für
Geowissenschaften und
Rohstoffe
Stilleweg 2, Postfach 51-01-53
Hannover 51 D-3000
GERMANY, Federal Republic of
- Ghana Geological Survey
Department
Attn: Director
P.O. Box M.80
Accra
GHANA, West Africa
- Institute of Geology and Mineral Exploration
70 Messoghion St.
Athens 608
GREECE
- Instituto Geografico Nacional
Attn: Chief Geologist
Division Geologica
Avenida las Americas 5 - 76
Zona 13
Guatemala City
GUATEMALA
- Guyana Geology and Mines Commission
Attn: The Commissioner
P.O. Box 1028
Georgetown
GUYANA, South America
- Hungarian National Committee for IUGS
MTA X Osztaly
Munnich F.u. 7
Budapest V H-1051
HUNGARY
- Icelandic National Committee for Geology
Attn: Mr. Sveinn P. Jakobsson
Museum of Natural History
Laugaveg 105
IS-105 Reykjavik
ICELAND
- Indian National Committee for IUGS
Attn: Prof. V.D. Choubey
Indian School of Mines
Dhanbad, Bihar 826 004
INDIA
- Geological Research and Development Centre (Library)
Djalan Diponegoro 57
Bandung
INDONESIA
- Geological Survey of Iran
Ministry of Industry & Mines
P.O. Box 1964
Tehran
IRAN
- National Committee for Geological Sciences
P.O. Box 3092
Al-Saadon
Baghdad
IRAQ
- Irish National Committee for Geology
Royal Irish Academy
19 Dawson Street
Dublin 2
IRELAND
- Israel National Committee for Geology
Israel Academy of Sciences & Humanities
43 Jabotinsky Road
P.O.B. 4040
Jerusalem 91040
ISRAEL
- Consiglio Nazionale delle Ricerche
Commissione Italiana di Geologia
Piazza Aldo Moro, 7
Rome 00185
ITALY
- Département des Sciences de la Terre
Attn: Prof. I. Yacé
Président de la SGC
Faculté des Sciences
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B.P. 4322
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IVORY COAST, West Africa
- Geological Survey Division
Attn: The Director
Ministry of Mining & Energy
P.O. Box 189, 191
Hope Gardens
Kingston 6
JAMAICA
- Science Council of Japan
22-34 Roppongi, 7 chome
Minato-ku
Tokyo 106
JAPAN
- Mines and Geological Department
Attn: Commissioner of Mines
Ministry of Natural Resources
Machakos Road
P.O. Box 30009
Nairobi
KENYA
- Korean General Federation for Science and Technology
Attn: Kim Sok Tae, Secretary
Geology Association
Pyongyang
KOREA, NORTH (D.P.R.)
- National Committee for IUGS
Attention: Dr. Sang Man Lee
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Seoul National University
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KOREA, SOUTH
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Geological Research & Mining
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LIBYA
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Charlotte L-1331
LUXEMBOURG
- Service Géologique
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Tananarive
MADAGASCAR
- Geological Survey Department
Ministry of Natural Resources
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Zomba
MALAWI
- Geological Survey of Malaysia
P.O. Box 1015
Ipoh, Perak
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- National Committee for Geological Sciences
Instituto de Geologia
Universidad Nacional Autonoma de Mexico
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P.O. Box 70296
Mexico D.F. 20
MEXICO
- Service Géologique du Maroc
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Rabat (Chellah)
MOROCCO
- Department of Mines and Geology
Attention: Dr. J.M. Tater
Ministry of Industry and Commerce
Lainchaur
Kathmandu
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- The Royal Society of New Zealand
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- Université de Niamey
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- Ministry of Electricity & Water
Water Department
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Doha
QATAR
- Romanian National Committee for Geology
Ministerul Minelor, Petrolului si Geologiei
Str. Mendeleev No. 36-38
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ROMANIA
- Ministry of Petroleum & Mineral Resources
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